EXHIBIT 2

Microsoft^{*}

June 14, 2011

Federal Trade Commission Office of the Secretary Room H-113 (Annex X) 600 Pennsylvania Avenue Washington, DC 20580

Re: Patent Standards Workshop, Project No. P11-1204

Dear Commissioners and FTC executive staff:

Microsoft appreciates the opportunity to provide comments in response to the Request for Comments and Announcement of Workshop on Standards-Setting Issues regarding —patent hold-up" in connection with standardization efforts.

At their most fundamental, technical standards are tools that promote efficiency and innovation by making it easier to create products and services that work together—or —interoperate"—better. This is especially true in the information and communications technology (ICT) environment. With new ICT solutions and services appearing in the market almost daily, often connected to one another by the Internet or other networks, interoperability has become a market imperative. The development and implementation of standards is one of the ways in which the technology industry is able to meet consumer demand for interoperability. By helping to enhance interoperability among products or services within a market, and being responsive to real marketplace needs, standards can help promote innovation, fuel market growth, and protect investments in new technologies.

Microsoft plays a dual role in standardization activities. First, we actively contribute innovative technology to standardization related to computing hardware, software and associated devices, the Internet and its infrastructure, consumer electronics devices, and telecommunications systems. Second, we are an active implementer of standards. Microsoft supports a very large number of standards that are formulated by a broad diversity of standards-setting organizations (SSOs) in our products. For example, Microsoft's Windows 7 operating

¹ Microsoft's commitment to standardization to help further interoperability is reflected in our Interoperability Principles, available at http://www.microsoft.com/interop/principles/default.mspx. Additional information about Microsoft's standards policies and activities can be found at: http://www.microsoft.com/standards/.

system supports more than sixty industry standards (by a conservative count). ² Ultimately, both of these roles are deeply informed by the market, and in particular by feedback on the way customers use ICT products and services in their day-to-day lives.

Because of this dual role as contributor and implementer, Microsoft takes a balanced approach to standards development and related intellectual property rights (IPR) issues. We understand the particular needs and concerns of those contributing time, resources, and innovative technologies to the development of standards, but we are equally sensitive to the needs of those who are implementing the resulting standards in their products and services. Patents are of particular concern to Microsoft because Microsoft is perhaps the No. 1 target of patent infringement actions in the ICT industry (given the breadth of its product portfolio and large revenue). Our involvement on both sides of the standards fence frames our perspective that a diverse standards ecosystem that supports multiple technologies is good for the U.S. and global economies.

Our comments in response to the RFC can be summarized as follows:

- Microsoft strongly supports President Obama's focus on technology and the
 promotion of innovation. In looking at issues relating to the inclusion of IPR
 (primarily patent rights) in standards, it is critical to preserve and cultivate
 incentives to innovate. In addition, the United States should promote respect for
 the value of IPR on a global basis, including the IPR reflected in standards.
- Government should take an inclusive view of SSOs' diverse IPR policies and not promote one approach over the other.
- Concerns about —patent hold-up" should not extend to any bi-lateral business
 disagreement between two companies regarding proposed licensing terms. These
 discussions typically pertain to a broader set of questions than just the proposed
 licensing terms for essential patent claims reading on a standard. In addition, if

² A typical personal computer running Windows 7 will support more than 200 additional standards, facilitating compatibility among hardware components from various vendors and promoting interoperability between PCs and other computers. These standards were developed by a broad range of SSOs with diverse processes and IPR policy approaches (including those that seek commitments to offer patent licenses on reasonable and non-discriminatory terms and conditions, whether with compensation or on a royalty-free basis).

the Government were to attempt to quasi-regulate RAND licensing terms, then they arguably should review the inter-play among all of the substantive terms (and not just the monetary component) for all aspects of patent licensing terms. Yet that would likely be unworkable.

- Disclosure-based IPR policies help provide useful information as to which patent
 holders likely will have essential patent claims vis-à-vis the final standard, which
 enables parties to make an informed decision whether to engage in patent
 licensing negotiations and the scope of such discussions.
 - O However, it is not possible for an SSO technical committee to have full and complete information regarding the patent rights implicated by a draft standard, especially those rights held by non-participants in the process. IPR policies ideally should take a balanced approach that does not unduly burden patent holders and encourages them to participate and contribute innovative technology.
- RAND-based IPR policies provide a flexible framework to help enable customized bi-lateral negotiations for patent licenses that generally are not limited to just the essential patent claims in connection with a standard.
- While almost all of the ICT industry stakeholders support policies that permit the voluntary and unilateral ante" disclosure of specific licensing terms by a patent holder, proposals for the U.S. Government to promote a mandatory ante" IPR policy approach or promote the group discussion of proffered licensing terms are not widely supported because such an approach is viewed as:
 - o being of little value,
 - o creating many practical inefficiencies and possible legal challenges, and
 - something that could be used internationally to undermine the value of patented technology that is included in standards used in other countries.

<u>In looking at issues relating to the inclusion of intellectual property in standards, it is critical to ensure that incentives to innovate are preserved.</u>

We strongly support President Obama and his Administration's focus on technology and the promotion of innovation. Innovation historically has been a catalyst for economic growth and the creation of jobs. The United States, in recognizing the need to preserve incentives for innovation through a healthy patent system and marketplace competition, has been and remains a global technology leader. It is therefore important to ensure that the treatment of patented technology in standards does not undermine incentives to continue to invest in new innovation in standardized technology areas.

As the Antitrust Division of the U.S. Department of Justice has observed:

The goal of policies involving IP, licensing, and standards should be to promote efficiency, just as it is with antitrust policy. . . . Static efficiency occurs when firms compete within an existing technology to streamline their methods, cut costs, and drive the price of a product embodying that technology down to something close to the cost of unit production. Static efficiency is a powerful force for increasing consumer welfare, but an even greater driver of consumer welfare is dynamic efficiency, which results from entirely new ways of doing business. Economists now recognize that the gains from dynamic efficiency, also called "leapfrog" competition, can far outstrip the gains from incremental static improvements. It follows that policymakers should pay particular attention to the impact of laws and enforcement decisions on dynamic efficiency." (Emphasis added.)

In developing policy positions relating to standards, governments should pay special attention to the importance of promoting the dynamic efficiencies that arise from preserving incentives for innovation. Through balanced IPR policies that help make innovative technology available to implementers on reasonable terms, and that do not undercut the value of patented

³ See Gerald F. Masoudi, Deputy Assistant Attorney Gen., Antitrust Div., U.S. Dep't of Justice, Address at the High-Level Workshop on Standardization, IP Licensing, and Antitrust, Tilburg Law & Economic Center, Tilburg University: Efficiency in Analysis of Antitrust, Standard Setting, and Intellectual Property 2–3 (Jan. 18, 2007), available at http://www.justice.gov/atr/public/speeches/220972.pdf.

technology or overly burden patent holders, standards can help to catalyze innovation by encouraging companies to contribute their innovative technology to collaborative standards-setting activities and to share their intellectual property with others via the standardization process. Standards will not fulfill their salutary purposes if standards policies deter innovators from contributing patented technologies or investing in further innovation related to standardized technology.

In addition, the United States Government should continue to advocate for the fair treatment of patented technology in standards on a global basis.

Government should take an inclusive view towards SSOs' diverse IPR policies and not promote one approach over another.

Most SSOs have an IPR (or patent) policy that seeks to balance the rights and interests of their stakeholders by seeking commitments from participating patent holders that they will offer patent licenses for their essential patent claims on reasonable and non-discriminatory (RAND) terms and conditions. Currently there is significant diversity with regard to how, and the detail with which, these policies are articulated by various SSOs. This diversity is healthy and should be encouraged, and any articulation by the government of one or more preferred approaches should be avoided. This diversity and breadth of SSOs has emerged as a result of market forces in response to varying business needs, and provides for flexibility, competition and choice. No one SSO or standardization process necessarily produces —beer" standards; the test of success and relevance of a standard is the extent to which it ultimately gets used in the marketplace. This view is widely supported by the ICT industry.

The FTC should encourage SSOs to ensure that their IPR policies are clearly worded, publicly available, and easy to find. Although many SSOs make their IPR policies easily available to the public on their websites, others make them difficult to find or available only to their members. In addition, we support FTC efforts to encourage SSOs to make any patent

⁴ See, e.g., Comments submitted by the Information Technology Industry Council in response to a recent NIST Request for Information (—TTI encourages the US Government to embrace a variety of ICT standards and standards-setting processes, and avoid policy decisions that might discourage a broad diversity of approaches to ICT standardization. This diversity provides for choice, competition and flexibility that further enable the ICT sector to respond to a rapidly changing marketplace with new, innovative solutions.") (http://standards.gov/standards_gov/mastercomments030711.cfm).

declarations, letters of assurance, or other licensing information they receive from patent holders easily available to the public on their websites. The information contained in IPR policies, and, if applicable, patent declarations, letters of assurance, or other licensing information is important to all stakeholders in the ICT industry, including current and potential SSO participants and standards implementers.

The concept of "patent hold-up" should map to marketplace realities.

The notion that —patent hold-up" is a substantial problem that should be addressed by government action seems to stem from a largely theoretical analysis of the situation. If a patent holder can charge implementers more than a reasonable royalty because those implementers are (perhaps)—locked into" the standard, then is it not likely that it would take advantage of this opportunity?

We believe that this reasoning greatly over-simplifies—and obscures—the realities of standards-related patent licensing. How any individual company will approach patent licensing will depend on many factors, such as:

- What is the company's primary business model implicated by the relevant standard? Is it likely that the company will proactively seek patent licenses (either as a licensor, a licensee or both)?
- Who are the likely companies holding essential patent claims, and what are their business models, products and patent portfolios?
- What licensing or other agreements are already in place between the parties?
- If the parties decide to enter into an agreement, then what are all of the issues (including all of the IPR-related issues) that likely will be negotiated?
- Are there trade-offs that may be made with regard to royalty payments or other financial terms?
 - o For example, there are companies who sometimes are willing to offer their essential patent claims to a particular standard free of charge, but they also include a defensive suspension clause that causes the free license in connection with these patent claims to terminate if the licensee commences litigation against the licensor on any grounds whatsoever.

As a result, we respectfully suggest that a simplified and theoretical approach to defining —patent hold-up" may not sufficiently map to complex marketplace realities. It may pull in what are essentially routine business negotiations between two parties. These negotiations almost always include considerations beyond the proposed licensing terms for just the essential claims in a standard (and just the royalty element of any such terms). Many companies question whether these types of business negotiations should be labeled as —pænt hold-up" and scrutinized by regulators. We believe that there is an important difference between intentional or deceptive conduct in connection with patents that read on standards and routine bilateral disagreements over licensing terms for the use of patented technology.

In the former context, there seems to be a dearth of examples of actual patent hold-up with regard to the essential patent claims reading on a standard. Microsoft has never been accused of patent hold-up in this regard, nor has it accused any other company of such behavior. This is not to say that Microsoft has never been a party to litigation where the parties disagree whether proffered licensing terms were consistent with the relevant patent licensing commitment (such as RAND). When companies have such bilateral disagreements, it may make sense for them to seek resolution in the courts. But such litigation is rarely limited to the proposed licensing terms for just the essential claims reading on a standard; typically such litigation is addressing other patent-related issues or even other business terms that the parties have been unable to reach agreement on.

Depending on their applicable business model, many companies largely use their patents vis-à-vis standards defensively. Far from seeking to "hold up" implementers, these firms will not seek patent royalties at all in the ordinary course of business. Rather, they will seek a patent license from an implementer only when that implementer has first challenged them on other patent infringement issues.

In addition, it is important to consider the healthy competition among different business models and how that influences debates regarding —patent hold-up" and whether there is a need to impose further restrictions on patent holders. Some companies are largely innovators who predictably will seek a return on their investments in innovation through licensing their patents. Some product-based companies take a more nuanced position, often using their patents vis-à-vis standards defensively (as described above). Still others have a significant consulting or

integration services focus, and they may benefit from having access to others' innovative technology in standards at a reduced cost if not for free. The current RAND-based structure balances these different interests. Proponents seeking to tilt that balance may largely be seeking reduced licensing costs and a related competitive advantage as opposed to solving a documented and widespread problem.⁵

<u>Disclosure-based IPR policies provide useful information regarding likely holders of essential patent claims.</u>

There are hundreds of different SSO IPR policies and they vary significantly. As a general matter, the IPR policies of most formal SSOs and many consortia are —disclosure-based". Under these types of IPR policies, participating companies generally are required (or encouraged) to disclose either (a) patents they hold that are likely to contain patent claims that will be essential to implementing the final standard, or (b) the fact that they likely hold such patents (but without identifying specific patents). The disclosing participant is then typically requested to declare its intention with regard to licensing such essential claims (such as RAND, RAND without a royalty, or —will not agree to offer RAND licenses"). If specific patents were

⁵ See remarks by Keith Mallinson (a long-standing research analyst and consultant in the telecommunications industry) at http://ipfinance.blogspot.com/2011/05/fruits-of-labour-not-windfall-gains-in.html: —Regulatory price-setting in the arena of innovative technologies neither reflects the market reality of commercial negotiation nor is it related to the costs, efforts and technical or commercial risks involved in developing those technologies. Defining (F)RAND [fair, reasonable and non-discriminatory] according to an imposed pricing structure would severely limit the ability of licensors and licensees to negotiate bilateral commercial terms that reflect their respective positions and needs

Further, minimizing the cost of licensed technologies may not result in a minimum cost solution. In addition to providing higher performance and improved features, incorporating patented IP into a standard may actually reduce the cost of implementing the standard. For example, patented IP might reduce the total cost of ownership to the end consumer of a product such as a mobile phone – including phone acquisition costs (with costs of design, development, bill of materials and assembly) and network service charges (reflecting costs of bandwidth acquisition, network equipment, operations, and maintenance). The impact of such cost reductions may far exceed any additional costs in licensing fees. Market forces are best at determining the value to be attributed to any input component in such a system, including technology licences. Regulators should be careful to avoid favouring particular business models or making decisions on which part of the value chain deserves to make the greater profit, especially where dynamic innovation is concerned....

The principle of (F)RAND licensing has been broadly adopted to ensure that patent owners who contribute technology to standards agree to make licences available to their standards-essential IP to all comers on terms that are reasonable and free from unfair discrimination, while maintaining the ability to achieve adequate reward for their innovations. There will at times be significant contention between the patent owner and implementer about what constitutes reasonable licensing terms, but this is to be expected as with commercial negotiation on any input cost component and has, for the most part, been readily resolved through bilateral negotiations. In the rare instances where such negotiations have not been successful, contract law is applicable to the (F)RAND commitment and the courts are able to deal with such disputes...."

disclosed, then the licensing commitment will apply only to any claims in the identified patents that end up being essential vis-à-vis the final version of the standard. In the case of a patent holder disclosing more generally that it likely will have essential claims, the licensing commitment generally will apply to any and all essential claims the patent holder has vis-à-vis the final standard.

A large number of SSOs, including ISO/IEC/ITU, CEN/CENELEC, ETSI, AFNOR, Ecma International, OMG (Object Management Group), PWG (Printer Working Group), TTA (Telecommunications Technology Association of Korea), TTC (Telecommunication Technology Committee in Japan) and ANSI-accredited SSOs (such as the IEEE, TIA, ATIS and ASTM), have some form of disclosure-based IPR policy.

Some SSOs have adopted —participation-based" IPR policies. Under this type of IPR policy, a participating company undertakes a RAND (with or without a royalty) licensing commitment for any essential claims it may have vis-à-vis the final standard just by joining the SSO or by joining a technical committee of the SSO. Standardization efforts under a participation-based IPR policy typically are scoped very narrowly. They also often include safeguards for participants to opt out or exclude certain essential claims by disclosing the patents containing those essential claims and stating that the automatic commitment will not apply to them. This provides some protection to participating patent holders in the event a competitor contributes their technology to the standardization effort, either inadvertently or in an effort to obtain access to such technology under the relevant IPR policy framework.

With -participation-based" IPR policies, sometimes the automatic commitments are RAND-RF (free of charge but with other RAND terms), as was the case with the popular USB standard and the W3C standards. Some examples of SSOs that use a participation-based approach are Bluetooth SIG, GS1, BIAN (Banking Industry Architecture Network), DVB, Infiniband Association, MIPI Alliance, SD Card Association, Serial ATA International Organization, SIGIS, WiFi Alliance, WiMAX Forum and the W3C.

Typically, because SSOs want to encourage disclosures as early as possible during the development of a standard, disclosure is not limited to just known essential claims because those claims can only be accurately identified when the standard is almost final and the draft text is stable. So there often is a trade-off in terms of getting more information early on in the process

(recognizing that some portion of it likely will end up not being relevant), as opposed to having most (if not all) of the disclosed information be accurate and directly applicable to the final standard.

In some ways, the value of a disclosure-based policy is finding out which patent holders likely will have essential patent claims vis-à-vis the final standard. Companies then typically consider that information in the context of its affected product(s) and make decisions, including whether to approach any of those patent holders to discuss licensing terms. What they decide to do depends on a number of different factors, such as whether the parties have existing agreements that may be applicable, the patent portfolio positioning between the parties (which is not a consideration based on just the total number of patents but more likely focused on whether they have patents that read on the other's products, and which products), the companies' applicable business models (which may suggest whether or not the patent holder will proactively seek a license from implementers) and past experiences with each other. In addition, these considerations will of necessity include patents that go beyond just the essential patent claims relating to a standard. If an implementer is going to enter into a license agreement with the disclosing patent holder, such implementer will want to protect its entire product(s) and will need to consider a broader (and perhaps cross-) licensing arrangement.

The RFC also seeks feedback with regard to the fact that most disclosure-based policies do not require participating patent holders to conduct patent searches, nor do they bind non-participants.

As a practical matter, a requirement to conduct patent searches would be a strong disincentive for patent holders to participate in standards-setting activities and contribute their technology so that it can be used by others. Many U.S.-based firms have hundreds of employees participating in hundreds of different SSO engagements, and thousands of patents in their portfolios. The cost and resources needed to conduct multiple patent searches vis-à-vis a developing standard spread across a significant number of standards engagements would be very significant.⁶

⁶ Assessing whether a single patent reads on a particular version of a draft standard could cost tens of thousands of dollars. If patent searches were required in order for patent holders to make definitive disclosures, then there would be a need to conduct several such searches in connection with a single draft standard as it evolves. Multiply that by hundreds of potential standards and the ongoing costs becomes prohibitive.

This is why the ICT industry sought clarification from the FTC in connection with the Dell consent decree. The FTC clarified that the consent decree was not intended to support a —disclose it or lose it" approach to patent disclosures in the standards context and that Dell's failure to disclose was —at inadvertent". Similarly, back in the early 1990's the European Telecommunications Standards Institute (ETSI) proposed an IPR policy pursuant to which a patent holder's failure to make timely and complete disclosures would result in arguably compulsory licensing on ETSI-sanctioned terms (which were perceived to permit very low royalties). Working with U.S.-based trade associations, the U.S. Government intervened and the ETSI policy was modified to be more consistent with other disclosure-based SSO policies.

It is difficult to envision how an SSO IPR policy would apply to non-participants. It is estimated that there are at least 1,000 ICT SSOs around the world. Any absolute disclosure policy would create a huge burden on ICT companies to police all of those developing standards, conduct interminable patent searches, and make definitive disclosures or risk losing valuable patent rights. When the Standardization Administration of China (SAC) released its draft *Interim Provisions on Formulation and Revision of Patent-related National Standards* for public comment on November 2, 2009, a number of U.S.-based trade associations provided comments seeking clarification that the proposed IPR policy would only cover those patent holders who were participating in the development of the relevant Chinese National Standard (and, for example, not patent holders who may have made a licensing commitment in connection with an ISO/IEC-related standard being modified during the Chinese standardization process).

There rarely will be a complete and accurate portrait of the patents that contain essential claims with regard to a particular draft standard. This is not surprising. Standards are often lengthy technical documents. Many of the essential patents are not included as the result of a formal contribution or a technology —bake off" pursuant to which the technical committee makes a decision among competing patented technologies. Engineers create a technical document that, not surprisingly, affects a range of patented technology. That said, there still seems to be only limited patent infringement litigation based solely on essential patent claims vis-à-vis a standard where the essential patents were unknown to the participants at the time the participants selected among competing proposals to include in the standard. And those cases, although very limited in

⁷ In re Dell Computer Corp., 121 F.T.C. 616 (May 20, 1996).

number, typically have involved allegations that the patent owner intentionally failed to disclose its patents in violation of the applicable SSO IPR policy.

RAND licensing commitments provide a balanced and flexible approach to patent licensing.

RAND is a time-tested and effective approach to licensing commitments. Like other —reasonableness" standards, it does not dictate specific licensing terms, but it does provide flexibility across a diverse range of situations. As mentioned above, companies make decisions about whether to initiate licensing discussions and, if so, what considerations beyond just the essential claims vis-à-vis the final standard will be included. The negotiation associated with a standards-related patent license typically is no different from any general patent licensing discussion and will involve trade-offs on all of the terms and conditions.

While there is no exhaustive list of traditional RAND licensing terms, in addition to a possible compensation element, such terms may include a field-of-use restriction, reciprocity, non-sublicenseability, defensive suspension and other common patent licensing considerations. Whether specific articulations of these types of terms are RAND can be a matter of some debate. For example, if a standard acquires market power (most don't), a patent owner who requires broad grant backs in the form of reciprocity or broad defensive termination provisions in exchange for its license of essential patent claims to implement such standard arguably may not be offering a RAND license. With regard to defensive termination, if the standard has market power and if the -trigger" for suspension is much broader than the actual license grant, it is not clear that the term is RAND. For example, if the defensive suspension is triggered by the implementer asserting any type of IPR against the patent holder (or even any litigation claim on any topic), then arguably the patent holder is receiving a free-of-charge cross-license to the implementer's entire IPR portfolio in exchange for a license to just the patent holder's essential claims vis-à-vis a standard. As with other -reasonableness" tests, these and other questions can be resolved through litigation in the relatively rare circumstances where business discussions fail (and the risks for each side inherent in such litigation of course inform the business discussions).

Proposals to somehow reduce —RAND" to some uniform formula could undermine the value of current practices and restrict some of the flexibility that helps to enable current licensing practices and protect the defensive value of contributed patent technology. There are many

existing patent licenses that include access to essential patent claims vis-à-vis one or more standards that reflect a customized solution between the two parties that takes into consideration all of the licensing terms (and not just the financial component).

In addition, the existence of a RAND commitment to offer patent licenses should not preclude a patent holder from seeking preliminary injunctive relief or commencing an action in the International Trade Commission just because the patent holder has made a licensing commitment to offer RAND-based licenses in connection with a standard. Whether such relief is available should be assessed under the current legal framework in the applicable jurisdiction, which often is premised substantially on the specific facts and circumstances at issue. Any uniform declaration that such relief would not be available if the patent holder has made a commitment to offer a RAND license for its essential patent claims in connection with a standard may reduce any incentives that implementers might have to engage in good faith negotiations with the patent holder.

With regard to the issue whether the licensing commitment should be binding on the successor-in-interest of the implicated patent rights, we believe that there is a fairly broad consensus that this outcome would be ideal. The issue is how to effectuate this in practice. If a patent holder makes a specific patent disclosure to a SSO, then it should be able to track that commitment and bind the transferee as part of the transfer agreement.

This becomes more challenging when the patent holder has made a more general licensing commitment that it will license any essential claims that it has (and when the patent holder has made such general commitments to many SSOs). In order to bind a transferee, such patent holder would have to conduct patent searches to determine what patent claims were implicated by the commitment(s). Many patent holders that use their patents largely for defensive purposes vis-à-vis standards do not want to undertake this significant expense. This is especially true when the patent holder has made a commitment to license on RAND terms on a royalty-free (or compensation-free) basis. If such patent holders are required to conduct patent searches to determine what they are giving away for free, then they may be less willing to agree to a RAND-RF licensing commitment. We believe that SSOs should seek to help address this issue in their IPR policy, but it is not realistic to expect that they alone can fully solve this issue.

Proposals for the U.S. Government to promote a mandatory "ex ante" IPR policy approach are not supported by the broader ICT industry because such an approach is viewed as (a) being of little value, (b) creating many practical inefficiencies and possible legal challenges, and (c) something that could be used internationally to possibly undermine the value of patented technology that is included in standards.

Almost all disclosure-based IPR policies address (a) the extent to which patent holders have to disclose whether they have any patent claims that likely will be essential to implement the standard under development and/or (b) the choices such patent holders have with regard to the licensing commitment they can make vis-à-vis those claims (such as a commitment to license under RAND terms and conditions).

If a patent holder makes a disclosure about its essential patent claims, potential implementers can decide when (or even whether) to contact the patent holder to obtain information about actual license terms. Depending on when the patent holder makes such a patent disclosure, this may occur ex ante (before the standard is finalized). Any negotiations typically are conducted bilaterally and outside the SSO.

Æx ante" IPR policies typically refers to those disclosure-based policies that either permit or require patent holders to disclose specific licensing terms, including royalty rates, to the standards body before the standard is finalized. While almost all ICT industry stakeholders (including Microsoft) support policies that permit the voluntary and unilateral —æ ante" disclosure of specific licensing terms by a patent holder, there are differing views with regard to proposed IPR policies that would mandate the —æx ante" disclosure of specific licensing terms and/or permit group discussions of those terms. Advocates of mandatory —ex ante" IPR policies argue that this is necessary to prevent patent holders from —holding up" implementers and extracting onerous terms after the standard is completed and everyone is attempting to implement the standard as written. Opponents highlight that —patent hold-up" occurs rarely when viewed across thousands of ICT standards, and such policies would unduly burden the standardization process and create many unnecessary practical inefficiencies and potential legal problems.

There are literally thousands of ICT standards in existence today. Hundreds of these standards have been referenced in eGovernment Interoperability Frameworks, with no apparent documented problems relating to IPR issues. There have been a relatively small number of noteworthy litigations that have been commenced when two parties have been unable to agree on whether proffered licensing terms were RAND and/or otherwise met the requirements of the applicable SSO's IPR policy. These are very much the exception, not the rule. Most SSOs review and regularly update their IPR policy to address broad issues, but they often are reluctant to add substantial burdens to the process to address relatively rare, potential —one-off' disputes that are fact-specific and can be litigated if the two parties cannot come to an agreement.

The debate over mandatory –ex ante" IPR policies has been underway for more than a decade. During this time, many ICT SSOs and their members with disclosure-based IPR policy approaches have thoughtfully considered whether to adopt such a policy, and with the exception of the VITA standards body, they largely have rejected adopting such an approach. The principle reasons typically include the following considerations:

• A mandatory -ex ante" IPR policy would require patent holders to disclose proposed licensing terms for their essential patent claims. Most stakeholders have observed that, for various reasons, such a disclosure is of little practical value. When a patent holder discloses to a SSO that it likely holds essential patent claims, a prospective implementer makes a decision whether to approach this patent holder to discuss possible licensing terms (and that decision is dependent on a number of factors). Any implementer actually deciding to negotiate a license will rarely, if ever, want a license for just the patent holder's essential patent claims in connection with that standard. An implementer seeking a license likely will want to negotiate a bi-lateral, customized agreement that will include other IPR (including related patent claims that it may be infringing) that impact its entire product or at least those product features that relate to and utilize the standard. The license also likely will reflect a range of possible tradeoffs between the two parties based on their respective IPR portfolios and other business

⁸ See — Government Interoperability: A comparative analysis of 30 countries" by CSTransform at http://www.cstransform.com/white_papers/InteropAnalysisV2.0.pdf.

The existence of competing standards also can help reduce the threat of possible patent -hold up".

- opportunities. So adding a requirement to an SSO IPR policy to the effect that disclosing patent holders must prepare and submit licensing terms for just its essential patent claims creates an obligation and burden on patent holders that arguably adds little or no value to the standardization process.
- Standards technical committees make hundreds of technical decisions and, as has been
 much noted, the process is often lengthy. Experienced stakeholders have noted that
 injecting licensing terms into the standardization process will inevitably delay the
 process further still without improving the technical value of the standard.
- Some patent holders make RAND licensing commitments largely for defensive purposes to further their own freedom of action, such as seeking to protect their products that implement standards from patent infringement claims asserted by others. As a result, quite often they will not proactively seek to obtain licenses from implementers. It has been observed during stakeholder debates on the -ex ante" issue that requiring these patent holders to prepare patent licensing terms unnecessarily creates burdens and complications for them without adding value to the standardization effort.
- There is little evidence that —patent hold-up" in the standards context is a real problem.
 Most patent holders also are implementers, whether with regard to the same standard or
 in terms of the broader ICT standards landscape, and thus share an interest in
 maintaining reasonable royalty rates. This ecosystem generates few IPR-related
 disputes as a result.
- Under a mandatory -ex ante" IPR policy, there is a substantial risk—even a likelihood—of buyer cartel or group boycott behavior. An SSO obviously is a forum for participants to discuss the development of technical standards. Those discussions are likely to extend to price if price terms are disclosed in connection with the offer of technology to a standard-setting effort. The technical committee members may explicitly or implicitly pressure a disclosing patent holder to modify its proposed licensing terms or risk not having its technology included in the standard. This is especially true if the IPR policy permits the group discussion of proposed licensing terms as part of the standardization process. For this reason, mandatory -ex ante" IPR

policy approaches also may discourage key patent holders from participating in the process and contributing their valuable patented technology. They also could create disincentives to invest further in innovation in that technology area.

Most of the SSOs and their stakeholders that have considered these proposals over the years have determined that there are only a limited number of situations where —patent hold-up" takes place in the context of standards-setting. The industry has determined that those situations generally are best addressed through bi-lateral negotiation (and, in rare cases, litigation) as opposed to modifying the SSO's IPR policy and arguably unnecessarily burdening the standardization process for the many ICT standards that are being widely implemented in the marketplace with no apparent IPR-related challenges.

Accordingly, we support the majority of ICT companies who believe that SSOs should develop their IPR policies based on a consensus of their stakeholders, and that governments should not promote one approach over another, including a mandatory —ex ante" IPR policy regime and the group discussion of proposed licensing terms.

In conclusion, we thank you for the opportunity to provide comments in response to the RFC.

Respectfully submitted, Microsoft Corporation

David Heiner Vice President and Deputy General Counsel

Amy Marasco General Manager, Standards Strategy and Policy

EXHIBIT 3 FILED UNDER SEAL

EXHIBIT 4 FILED UNDER SEAL

EXHIBIT 5 FILED UNDER SEAL

EXHIBIT 6 FILED UNDER SEAL

EXHIBIT 7 FILED UNDER SEAL

EXHIBIT 8 FILED UNDER SEAL

EXHIBIT 9

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Page 1
 1
                    IN THE UNITED STATES DISTRICT COURT
 2
                   FOR THE WESTERN DISTRICT OF WASHINGTON
 3
                                  AT SEATTLE
 5
     MICROSOFT CORPORATION, a
 6
     Washington corporation,
 7
               Plaintiff,
 8
               No. C10-1823-JLR
     vs.
     MOTOROLA, INC., MOTOROLA
10
     MOBILITY, INC., and GENERAL
11
     INSTRUMENT CORPORATION,
12
               Defendants.
13
14
15
                      DEPOSITION OF DAVID A. HEINER
16
                   Taken on behalf of the Defendants
17
                              March 28, 2012
18
19
     BE IT REMEMBERED THAT, pursuant to the Washington Rules of
20
     Civil Procedure, the deposition of DAVID A. HEINER, was
21
     taken before Tia B. Reidt, #2798, a Certified Shorthand
22
     Reporter, and a Notary Public for the State of Washington,
23
     on March 28, 2012, commencing at the hour of 8:48 a.m., the
24
     proceedings being reported at 315 5th Avenue South,
25
     Suite 1000, Seattle, Washington. TSG Job # 47848.
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APPEARANCES Appearing on behalf of the Plaintiff ARTHUR W. HARRIGAN, JR. DANIELSON HARRIGAN LEYH & TOLLEFSON Seattle, WA 98104 Seattle, WA 98104 Appearing on behalf of the Defendant LYNN ENGEL SUMMIT LAW GROUP Seattle, WA 98104 Seattle, WA 98104 ALSO PRESENT: Appearing on behalf of the Defendant Seattle, WA 98104 ALSO PRESENT: Sid Fox,	
2 Appearing on behalf of the Plaintiff 4 ARTHUR W. HARRIGAN, JR. 5 DANIELSON HARRIGAN LEYH & TOLLEFSON 6 999 3rd Avenue 7 Seattle, WA 98104 8 9 10 10 10 ALSO PRESENT: 11	
Appearing on behalf of the Plaintiff ARTHUR W. HARRIGAN, JR. DANIELSON HARRIGAN LEYH & TOLLEFSON Seattle, WA 98104 Seattle, WA 98104 ALSO PRESENT:	
4 ARTHUR W. HARRIGAN, JR. 5 DANIELSON HARRIGAN LEYH & TOLLEFSON 6 999 3rd Avenue 7 Seattle, WA 98104 8 9 10 10 ALSO PRESENT: 11	
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9 10 10 ALSO PRESENT: 11	
10 ALSO PRESENT: 11 11	l
11 11	
12 Appearing on behalf of the Defendant 12 Sid Fox.	
PAUL M. SCHOENHARD 13 Videographer	
14 MATTHEW RIZZOLO 14	
15 ROPES & GRAY	
16 One Metro Center 16	
17 700 12th Street NW 17	
18 Washington, DC 20005 19	
20 21 21	
22 22	
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2 EXHIBIT NO. DESCRIPTION	PAGE
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4 Mr. Schoenhard 8 4 Questionnaire to competitors.	
5 Exhibit 9 22-page 802.11 Patent License	53
6 EXHIBIT INDEX 6 dated October 21, 2010.	
7 Exhibit 10 24-page H.264 Patent License dated	1 53
8 EXHIBIT NO. DESCRIPTION PAGE 8 10/29/2010.	
9 Exhibit 1 10-page Defendant Motorola Mobility, 12 9 Exhibit 11 3-page Interoperability: The other	54
Inc.'s notice of deposition of Side of Our Settlement with	
11 Microsoft Corporation. 11 the European Commission document.	
12 Exhibit 2 17-page letter re: Patent Standards 27	55
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dated June 14, 2011. 14 Exhibit 13 3-page Microsoft Open Specification 15 Exhibit 3 1 page Microsoft's Support for document	ons 56
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18 Microsoft statement 18 Exhibit 15 21-page Patent Covenant Agreement	,
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1	EXHIBIT INDEX CONTINUED		1	DAVID A. HEINER
2	EATHBIT INDEA CONTINUED		2	DEPOSITION OF DAVID A. HEINER
3	EXHIBIT NO. DESCRIPTION	PAGE	3	Wednesday, March 28, 2012
4		63	4	8:48 a.m.
5	understanding of FRAND.	03	5	0.40 a.m.
6	Exhibit 19 18-page Google: Please Don't kill	67	6	THE VIDEOGRAPHER: This is the start of videotape
7	video on the web document.	07	7	labeled No. 1 of the videotape deposition of David Heiner in
8		71	8	the matter of Microsoft Corporation verses Motorola Inc.,
9	States Department of Justice dated	/ 1	9	et. al, in the United States District Court for the Western
10	3/15/21.		10	District of Washington at Seattle, Civil Action
11	Exhibit 21 17-page letter re: Standardization	75	11	No. C10-1823-JLR.
12	Feedback for Sub-Committee on	13	12	This deposition is being held at Summit Law Group,
13	Standards dated 3/7/11.		13	315 5th Avenue South, Suite 1000, Seattle, Washington, 98104
14		75	14	on March 28th, 2012, at approximately 8:45 a.m.
15	Exhibit 22 37-page e-mail and attachment	13	15	My name is Sid Fox from TSG Reporting, Inc., and
16	Re: Proposed consent decree		16	
	Microsoft's.	77		I'm the legal video specialist. The court reporter is Tia
17	Exhibit 23 3-page Microsoft's Proposed	77	17	Reidt in association with TSG Reporting.
18	Consent Decree Principles.		18	Will counsel please introduce yourselves.
19			19	MR. SCHOENHARD: Good morning. My name is Paul
20			20	Schoenhard. I'm an attorney with Ropes & Gray, LLP. I'm
21			21	here today representing the Motorola entities, the
22			22	defendants.
23			23	With me today are Matt Rizzolo, also with Ropes &
24			24	Gray, and Lynn Engel with the Summit Law Group.
25			25	MR. HARRIGAN: Art Harrigan, Danielson Harrigan,
		Page 8		Page 9
1	DAVID A HEINED			
	DAVID A. HEINER		1	DAVID A. HEINER
2	representing Microsoft and the witness.		1 2	DAVID A. HEINER Q. What are your responsibilities as vice president
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	representing Microsoft and the witness.	rter please	2	Q. What are your responsibilities as vice president
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3 4	representing Microsoft and the witness. THE VIDEOGRAPHER: Will the court reports wear the witness in.	-	2 3 4	Q. What are your responsibilities as vice president and deputy general counsel?A. I'm responsible for two organizations within the
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	representing Microsoft and the witness. THE VIDEOGRAPHER: Will the court report swear the witness in. DAVID A. HEINER, having been first duly sworn, examined and testified as follows: EXAMINATION BY MR. SCHOENHARD: Q. Good morning, Mr. Heiner. A. Good morning. Q. Please state your full name and home address the record. A. David A. Heiner, 14314 227th Avenue North Woodinville, Washington, 98077. Q. And do you understand that you're testifying oath here today? A. I do. Q. Is there any reason you won't be able to provide honest testimony today? A. No. Q. You are currently employed by Microsoft? A. Yes.	s for neast,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. What are your responsibilities as vice president and deputy general counsel? A. I'm responsible for two organizations within the Microsoft law department. One is our antitrust group, and the other is the corporate standards group. Q. Do I understand correctly, based on your answer, that the antitrust group and the corporate standards groups are treated as two separate groups? A. They're often treated as one group, so it's there's no real answer. It could be one or two. Q. But you have general responsibility for both? A. I do. Q. Could you please explain briefly what your standards what your responsibilities are with respect to the standards group? A. Well, I oversee the group. The corporate standards group is an organization that provides services to the rest of Microsoft. Those services include legal advice in connection with participation in standards bodies, standards policy work, and also includes people who
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Page 31 Page 30 1 DAVID A. HEINER 1 DAVID A. HEINER 2 2 Q. Can you explain what you understand the term the second paragraph on Page 12 of Exhibit 2. 3 A. Okay. (Witness peruses document.) 3 "field of use restriction" to mean? 4 4 I'm sorry. Can you repeat the question? 5 5 Is it fair to say that Microsoft believes that Can you explain to me what you understand the term Q. 6 while there is no exhaustive list of traditional RAND 6 "field of use restriction" to mean. 7 7 I understand the term "field of use restriction" licensing terms, in addition to a possible compensation 8 element, such terms may include a field of use restriction, 8 to mean that a particular, say, patent might be licensed for 9 9 reciprocity, non sublicensability, defensive suspension, and one use and not another. 10 10 Q. Can you explain to me what you understand the term other common patent licensing considerations? 11 Yeah. Generally I think that's correct. 11 "reciprocity" to mean? 12 12 A. Let's see. I understand that term to mean that in As I think about one of the earlier questions you 13 13 asked, though, maybe I should clarify one aspect. This is a patent license, there might be a reciprocal grant of 14 14 my letter to the Federal Trade Commission, and it was my patent rights back to the licensor. 15 15 view at the time. I am responsible for this function at Q. Would that also be referred to as a grant-back? 16 16 Microsoft. But to go all the way to say that, you know, A. I think so. I'm not sure if the terms are, you 17 does Microsoft believe X, Y and Z is perhaps a bit of a 17 know, completely synonymous or not, but yes. 18 18 What do you understand the term "defensive stretch, since it's a corporate entity and there's not 19 19 necessarily any one belief of such an entity. suspension" to mean? 20 20 But having said that, I am responsible for the A. I understand that to refer to the concept where a 21 21 subject matter generally, and so... patent holder might grant a patent license to a licensee but 22 Q. And you do agree that Exhibit 2, the June 2011 22 have a provision that says that if the licensee engages in 23 23 letter, was submitted to the Federal Trade Commission on some specified act such as a lawsuit back against the 24 24 behalf of Microsoft, the corporate entity? licensor, then the license grant terminates. 25 25 A. Yes. And what might other common patent licensing Page 32 Page 33 1 DAVID A. HEINER 1 DAVID A. HEINER 2 considerations include? 2 You would typically expect for there to be 3 3 A. I don't know offhand. business discussions prior to legal action, however, 4 Would licensing nonessential patents as part of 4 correct? 5 5 I don't know about that. the same transaction be a common patent licensing A. 6 6 You agree that RAND license terms are typically consideration? 7 7 arrived at through bilateral negotiation, correct? Can you repeat the question? 8 A. 8 Would including as part of license discussion Typically, yes. 9 nonessential patents also be another common patent licensing 9 Are there circumstances in which bilateral 10 10 consideration? negotiation would not be involved? 11 11 Yes. I think that happens. MR. HARRIGAN: Object to the form of the question. A. 12 12 Would considerations of license term and You can answer. 13 13 THE WITNESS: I think one important aspect of the termination also be common patent license considerations? 14 14 standards system is that a firm that makes a RAND commitment A. Yes. 15 15 And each of these considerations would typically when it initiates patent licensing discussions, that it do 16 be fleshed out as part of bilateral negotiations between the 16 so in good faith and that any offer it makes that it 17 17 perspective licensor and perspective licensee, correct? believes that offer is RAND, recognizing that people may 18 18 A. Yes. differ on that point. 19 Would you agree that whether terms are reasonable 19 And so if a firm were to come forward and put on 20 20 can be a matter of some debate? the table an offer that is manifestly not RAND, that likely 21 21 Yes. would not provide the basis for good-faith negotiations to A. 22 22 And whether terms are reasonable can be resolved proceed. 23 through litigation in the relatively rare circumstances 23 BY MR. SCHOENHARD: 24 24 where business discussions fail, correct? How might you determine if an offer is manifestly 25 25 I think that's right. not RAND?

Page 34 Page 35 1 DAVID A. HEINER 1 DAVID A. HEINER 2 2 offer patent licences should not preclude a patent holder If it had the characteristics that Microsoft 3 identified in an interrogatory response, I think in this 3 from seeking a preliminary injunctive relief or commencing 4 case but I'm not sure, where we listed a number of aspects 4 an action in the International Trade Commission just because 5 5 of what, is in our view, not RAND. the patent holder has made a licensing commitment to offer 6 Q. In such a circumstance, you believe that rather 6 RAND-based licenses in connection with the standard? 7 than going back and saying this doesn't look quite right in 7 8 the general standards-setting context, it makes sense to go 8 And would you agree that any uniform declaration 9 9 ahead with a legal action? that such relief would not be available if the patent holder 10 10 A. I think that's fair to say. has made a commitment to offer a RAND license for its 11 Please direct your attention to Page 13 of 11 essential patent claims in connection with the standard may 12 12 Exhibit 2, the June 2011 letter. reduce any incentives that implementers might have to engage 13 13 A. Okay. in good-faith negotiations with the patent holder? 14 14 Q. Please feel free to read to yourself the first A. Yes. I mean, generally I believe that, and I 15 15 full paragraph on this page. think it's a commonplace notion, that anytime there's any 16 16 MR. HARRIGAN: I'm sorry. I was typing and missed limit whatsoever on the scope of intellectual property 17 it. Where are we reading? 17 rights, that logically tends to reduce incentives to attain 18 MR. SCHOENHARD: Page 13, the first full paragraph. 18 those rights. 19 19 MR. HARRIGAN: Thanks. And on the other hand, if what's happening is that 20 20 THE WITNESS: (Witness peruses document.) there's greater sharing of those rights, then in the near 21 21 Okay. term there's the possibility of greater enervation by others 22 BY MR. SCHOENHARD: 22 using those rights, and that's kind of a balancing and 23 23 Q. Is it fair to say that as of June 2011, the time tradeoff that has to be made. 24 24 this letter was submitted to the Federal Trade Commission, Q. Please direct your attention to Page 8 of 25 you believed that the existence of a RAND commitment to 25 Exhibit 2, the June 2011 letter to the Federal Trade Page 36 Page 37 1 DAVID A. HEINER 1 DAVID A. HEINER 2 2 Commission. MR. HARRIGAN: When you say "the final paragraph," 3 3 A. (Witness complies.) you're talking about the one that starts, "The principal"? MR. SCHOENHARD: Correct. 4 In Footnote 5 on Page 8 of Exhibit 2, do you see 4 5 5 MR. HARRIGAN: Feel free to read the rest of that reference to a Mr. Keith Mallinson, M-A-L-L-I-N-S-O-N? 6 6 A. Yes. 7 7 THE WITNESS: (Witness peruses document.) O. Who is Mr. Keith Mallinson? 8 8 I don't know beyond what is said in the Okay. 9 9 BY MR. SCHOENHARD: parenthetical. 10 10 Q. Do you agree with Mr. Mallinson's statement that The parenthetical to which you're referring reads, 11 "A longstanding research analyst and consultant in the 11 there will at times be significant contention between the 12 12 telecommunications industry"? patent owner and implementer about what constitutes 13 13 A. Yes. reasonable licensing terms, but this is to be expected, as 14 with commercial negotiation on any input cost component, and 14 Do you believe that statement regarding 15 15 has for the most part been readily resolved through Mr. Mallinson to be correct? 16 16 A. Let me take a minute and read this. We're talking bilateral negotiations? 17 17 about the statement that's the second sentence of the A. Yes. 18 18 footnote, or after the colon? Would you agree, then, that even in situations 19 19 where there may be significant contention between parties as I was referring to the statement in the 20 20 parenthetical referring to who Mr. Mallinson is. to what would ultimately be reasonable terms, bilateral 21 21 Oh. I assume that's correct. I don't know negotiation is an appropriate course? 22 22 A. In general, yes. This particular case I think of personally. 23 Please take a moment to read to yourself the final 23 as an outlier. 24 24 paragraph of Footnote 5 on Page 8 of Exhibit 2. If a potential implementer of a standard is aware 25 25 Okay. (Witness complies.) that another entity owns a portfolio of potentially

Page 39 Page 38 DAVID A. HEINER 1 DAVID A. HEINER 1 2 2 he's knocking on someone's door, apparently is seeking standard-essential patents, do you believe that the 3 implementer has an obligation to seek a license to those 3 licensing fees and then is obliged to offer a license that 4 4 is compliant with RAND. patents? 5 5 Q. How do you determine if the license that's offered A. I don't know about that. The current practice in 6 6 is compliant with RAND? the industry is often that no such license is sought and so 7 7 A. Well, that's a very big question, and people go to no such license is put in place, but rather firms simply 8 implement standards and rely on the fact that if they needed 8 conferences and have debates about what is RAND and the 9 9 like, so there's no definitive answer to that. a license - in other words, if the patent holder came 10 10 knocking - there's a RAND commitment. Q. In large part, the parties collectively and bilaterally determine what is RAND in their specific 11 And so I think often in the industry, firms simply 11 12 12 contexts through negotiations, correct? implement and don't actually obtain licences from everyone 13 13 who might have IP that reads on implementation. A. Typically. 14 14 MR. SCHOENHARD: I think I've had you on the record Does that practice create free-rider issues? 15 15 for approximately an hour. Why don't we go ahead and take What do you mean? A. 16 16 Doesn't that type of practice encourage our first break, and then we'll resume in a few moments. 17 THE VIDEOGRAPHER: The time is approximately 17 implementers to effectively operate in an unlicensed 18 18 9:35 a.m. We are off the record. capacity with respect to existing IP rights in the hopes 19 19 that never shall a license need to be paid? (Pause in the proceedings.) 20 20 THE VIDEOGRAPHER: We are back on the record. The I don't know. I'm just commenting on what I think 21 21 happens in the industry. time is approximately 9:54 a.m. 22 Q. When a patent holder comes knocking on the 22 BY MR. SCHOENHARD: 23 23 Q. Mr. Heiner, do you understand that you've been implementer's door, what do you believe to be the common 24 24 practice? designated to testify today additionally with respect to 25 25 Topic 36 in Motorola's Notice of Deposition --A. The common practice is that the patent holder, if Page 40 Page 41 1 DAVID A. HEINER 1 DAVID A. HEINER 2 2 A. Yes. Microsoft will not seek an injunction or exclusion order 3 -- relating to a February 8th, 2012 statement, 3 against any firm on the basis of those essential patents," 4 "Microsoft Support for Industry Standards"? 4 correct? 5 5 A. Correct. 6 Do you believe that you are prepared today to 6 As of today, is that Microsoft's official O. 7 speak with respect to that topic? 7 position? A. Yes. 8 8 A. Yes. 9 9 (Whereupon, a 1-page Microsoft's Support for As of today, is it Microsoft's position that it is 10 10 Industry Standards document was marked Exhibit 3 for inappropriate for standards-essential patent holders to seek 11 11 identification.) injunctive-style relief? 12 12 THE COURT REPORTER: Exhibit 3. A. Yes. 13 13 BY MR. SCHOENHARD: That position is directly contrary to the position Q. 14 14 taken at Page 13 of the June 2011 Federal Trade Commission Q. Mr. Heiner, you have been handed a document that 15 has been marked as Heiner Exhibit 3, bearing Production No. 15 letter we discussed a moment ago, correct? 16 MS-MOTO_1823_00005196256. 16 Our position changed from June 14th to more 17 17 Please take a moment to review this document and recently, yes. 18 18 tell me whether you recognize it. Q. Why did Microsoft's position change? 19 Yes, I recognize this document. 19 Based on experience since then, based on thinking 20 about the subject more deeply, and based on discussions with 20 What is this document, Heiner Exhibit 3? 21 21 This document is a printout of a web page where the US Department of Justice. 22 22 Q. When you say "based or our experience since then," Microsoft made a statement regarding its support for 23 23 industry standards. are you referring to your experience as, for example, a 24 24 As part of this February 8th, 2012 statement, defendant against the Motorola entities? 25 Microsoft stated, under the No. 2, "This means that 25 Yes.

1	Page 54		Page 55
	DAVID A. HEINER	1	DAVID A. HEINER
2	Q. Do you recall whether you have seen these	2	the European Commission regarding interoperability.
3	documents before?	3	Q. What is interoperability?
4	A. I don't think I have. I'm not certain.	4	A. That's another one of those \$64,000 questions.
5	Q. You can set them aside.	5	But generally it's the ability of two products to at
6	A. Okay.	6	least in the computer context, two products to exchange
7	(Whereupon, a 3-page Interoperability: The other	7	information and interact with one another.
8	Side of Our Settlement with the European Commission document	8	Q. And in connection with the European Commission's
9	was marked Exhibit 11 for identification.)	9	investigation, were there concerns about the availability of
10	THE COURT REPORTER: Exhibit 11.	10	interoperability with Microsoft products?
11	BY MR. SCHOENHARD:	11	A. Yes.
12	Q. Mr. Heiner, you've been handed a document that has	12	Q. As part of this and other investigations,
13	been marked as Heiner Exhibit 11.	13	Microsoft created a set of principles regarding
14	Please take a moment to review this document and	14	interoperability that it intends to follow, correct? Do you
15	tell me whether you recognize it.	15	have any responsibility for the principles of
16	A. (Witness peruses document.)	16	interoperability at Microsoft?
17	Okay.	17	A. Yes.
18	Q. Do you recognize this document?	18	Q. What is that responsibility?
19	A. Yes.	19	A. The responsibility is counseling clients with
20	Q. What is Heiner Exhibit 11?	20	respect to living up to those principles.
21	A. It appears to be a printout of a blog post that I	21	Q. And when you say "counseling clients," you're
22	did apparently on December 18th of 2009.	22	referring to clients within Microsoft, correct?
23	Q. To what does the blog post marked as Heiner	23	A. Yes.
24	Exhibit 11 relate?	24	(Whereupon, a 4-page Frequently Asked Questions
25	A. It relates to a settlement of inquiries made by	25	about Interoperability document was marked Exhibit 12 for
	Page 56		Page 57
-		1	
1	DAVID A. HEINER	1	DAVID A. HEINER
1 2	identification.)	1 2	A. Yes.
	identification.) THE COURT REPORTER: Exhibit 12.		A. Yes.Q. One of the interoperability principles is
2 3 4	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD:	2	A. Yes.Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page
2 3 4 5	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has	2 3 4 5	 A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent
2 3 4 5 6	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos.	2 3 4 5 6	A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms."
2 3 4 5 6 7	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to	2 3 4 5 6 7	A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that?
2 3 4 5 6 7 8	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to review this document and tell me whether you recognize it.	2 3 4 5 6 7 8	 A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that? A. Yes.
2 3 4 5 6 7 8	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to review this document and tell me whether you recognize it. A. (Witness peruses document.)	2 3 4 5 6 7 8	 A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that? A. Yes. Q. As one of Microsoft's interoperability principles,
2 3 4 5 6 7 8 9	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to review this document and tell me whether you recognize it. A. (Witness peruses document.) I see it appears to be a printout of a Microsoft	2 3 4 5 6 7 8 9	 A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that? A. Yes. Q. As one of Microsoft's interoperability principles, Microsoft has committed to provide licenses to certain of
2 3 4 5 6 7 8 9 10	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to review this document and tell me whether you recognize it. A. (Witness peruses document.) I see it appears to be a printout of a Microsoft website relating to the interoperability principles we	2 3 4 5 6 7 8 9 10	A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that? A. Yes. Q. As one of Microsoft's interoperability principles, Microsoft has committed to provide licenses to certain of its patents covering Microsoft open protocols on reasonable
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2 3 4 5 6 7 8 9 10 11 12	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to review this document and tell me whether you recognize it. A. (Witness peruses document.) I see it appears to be a printout of a Microsoft website relating to the interoperability principles we announced. I don't specifically recall the document. (Whereupon, a 3-page Microsoft Open Specifications	2 3 4 5 6 7 8 9 10 11 12	A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that? A. Yes. Q. As one of Microsoft's interoperability principles, Microsoft has committed to provide licenses to certain of its patents covering Microsoft open protocols on reasonable and nondiscriminatory terms, correct? A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13	identification.) THE COURT REPORTER: Exhibit 12. BY MR. SCHOENHARD: Q. Mr. Heiner, you've been handed a document that has been marked as Heiner Exhibit 12, bearing Production Nos. MOTOM_WASH1823_0394353 through 356. Please take a moment to review this document and tell me whether you recognize it. A. (Witness peruses document.) I see it appears to be a printout of a Microsoft website relating to the interoperability principles we announced. I don't specifically recall the document. (Whereupon, a 3-page Microsoft Open Specifications document was marked Exhibit 13 for identification.)	2 3 4 5 6 7 8 9 10 11 12 13	 A. Yes. Q. One of the interoperability principles is identified with the numeral 4 at the bottom of the page carrying over to the second page of the bottom, "RAND Patent Terms." Do you see that? A. Yes. Q. As one of Microsoft's interoperability principles, Microsoft has committed to provide licenses to certain of its patents covering Microsoft open protocols on reasonable and nondiscriminatory terms, correct? A. Yes. Q. Is the term "RAND" with respect to reasonable and
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	Page 82		Page 83
1	DAVID A. HEINER	1	DAVID A. HEINER
2	BY MR. SCHOENHARD:	2	MR. HARRIGAN: Yeah.
3	Q. Mr. Heiner, are you aware of any time prior to the	3	THE COURT REPORTER: Thank you.
4	fall of 2011 at which Microsoft took the position that	4	(Whereupon, the deposition was concluded at
5	injunctive relief should not be available to standard-	5	11:59 a.m.)
6	essential patent holders?	6	11.37 d.iii.)
7	MR. HARRIGAN: Object to the form of the question.	7	(Signature waived.)
8	THE WITNESS: No.	8	(Signature warved.)
9	MR. SCHOENHARD: Mr. Heiner, I don't believe I have	9	
10	·	10	
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12		12	
13		13	
14		14	
15	THE VIDEOGRAPHER: Here marks the end of videotape		
16	-	16	
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23		23	
24		24	
25		25	
	Page 84		Page 85
1		1	CORRECTION SHEET
1 2	CERTIFICATE	1 2	
3	I, Tia B. Reidt, do hereby certify that	3	•
4	pursuant to the Rules of Civil Procedure, the witness	4	Regarding: Microsoft Vs. Motorola Reporter: Tia Reidt
5	named herein appeared before me at the time and place	4	Kenoner. Ha Keim
6		=	
0		5	<u> </u>
7	set forth in the caption herein; that at the said time	6	Please make all corrections, changes or clarifications
	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony	6 7	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line
7	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony adduced and other oral proceedings had in the	6 7 8	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line number. If there are no changes, write "none" across
7 8	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony	6 7 8 9	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line number. If there are no changes, write "none" across the page. Sign this sheet on the line provided.
7 8 9	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony adduced and other oral proceedings had in the foregoing matter; and that the foregoing transcript	6 7 8 9 10	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line number. If there are no changes, write "none" across the page. Sign this sheet on the line provided. Page Line Reason for Change
7 8 9 10	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony adduced and other oral proceedings had in the foregoing matter; and that the foregoing transcript pages constitute a full, true and correct record of	6 7 8 9 10	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line number. If there are no changes, write "none" across the page. Sign this sheet on the line provided. Page Line Reason for Change
7 8 9 10 11 12	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony adduced and other oral proceedings had in the foregoing matter; and that the foregoing transcript pages constitute a full, true and correct record of such testimony adduced and oral proceeding had and	6 7 8 9 10 11	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line number. If there are no changes, write "none" across the page. Sign this sheet on the line provided. Page Line Reason for Change
7 8 9 10 11 12 13	set forth in the caption herein; that at the said time and place, I reported in stenotype all testimony adduced and other oral proceedings had in the foregoing matter; and that the foregoing transcript pages constitute a full, true and correct record of such testimony adduced and oral proceeding had and of the whole thereof. IN WITNESS HEREOF, I have hereunto set my hand	6 7 8 9 10 11 12	Please make all corrections, changes or clarifications to your testimony on this sheet, showing page and line number. If there are no changes, write "none" across the page. Sign this sheet on the line provided. Page Line Reason for Change
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